

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Marina N. Papuashvili.

Serial No.: Unassigned

Filed: Concurrently Herewith

Group Art Unit: Unassigned

Examiner: To be Assigned

**For: Anti-Virus Agent**

**PRELIMINARY AMENDMENT**

Assistant Commissioner for Patents  
Washington, D. C. 20231

Sir:

Prior to the examination of the above-referenced application, please amend the application as follows:

**In The Claims:**

Please enter the following amended claims:

4. (Amended) The anti-virus agent according to claim 1, wherein the regulatory region comprises a Shine-Dalgarno sequence or an internal ribosomal binding site (IRBS) of the genomic RNA of the poliovirus vaccine strain Sabin 2.

5. (Amended) The anti-virus agent according to claim 1, wherein the toxin is selected from the group comprising diphtheria exotoxin, diphtheria exotoxin A-subunit, Sigella toxin and Disenteria toxin.

6. (Amended) The anti-virus agent according claim 1, which comprises a DNA or a RNA vector.

7. (Amended) A method of treating a viral disease comprising the step of administering a therapeutically effective amount of the anti-virus agent of claim 1 in a pharmaceutically acceptable carrier.

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T.D.90-6924260

**REMARKS**

Upon entry of this preliminary amendment, claims 4, 5, 6 and 7 are amended.

The Commissioner is hereby authorized to charge any additional fees which may be required for this Amendment, or credit any overpayment to Deposit Account No. 50-0436.

In the event that an extension of time is required, or may be required in addition to that requested in a petition for an extension of time, the Commissioner is hereby requested to grant a petition for that extension of time which is required to make this response timely and is hereby authorized to charge any fee for such an extension of time or credit any overpayment for an extension of time to Deposit Account No. 50-0436.

Respectfully submitted,

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Date: May 4, 2011

## APPENDIX

### VERSION WITH MARKINGS TO SHOW CHANGES MADE

#### IN THE CLAIMS:

The claims are amended as follows.

4. (Amended) The anti-virus agent according to [any of the proceeding claims] claim 1, wherein the regulatory region comprises [the] a Shine-Dalgarno sequence or an [the] internal ribosomal binding site (IRBS) of the genomic RNA of the poliovirus vaccine strain Sabin 2.

5. (Amended) The anti-virus agent according to [any of the proceeding claims] claim 1, wherein the toxin is selected from the group comprising diphtheria exotoxin, diphtheria exotoxin A-subunit, Sigella toxin and Disenteria toxin.

6. (Amended) The anti-virus agent according [any of the proceeding claims] claim 1, which comprises a DNA or a RNA vector.

7. (Amended) [Use of an anti-virus agent according to any of the proceeding claims for the manufacture of a medicament for] A method of treating a viral disease comprising the step of administering a therapeutically effective amount of the anti-virus agent of claim 1 in a pharmaceutically acceptable carrier.